

# Mathematics (Mechanics)

A LEVEL

Level 3

EdExcel

Course overview

If you enjoy GCSE Maths (particularly algebra) and wish to study A Level Physics then this is the course for you.

## Entry Requirements

You must have a minimum of 5 grades 9-4 (equivalent to A\*-C) at GCSE, including English and Maths at grade 4, plus you must also meet the specific subject entry requirements.

## Subject Specific Requirements

Grade 6 in Maths GCSE.

## Popular Subject Combinations

A Level: Physics; Chemistry;  
Computer Science

BTEC:

## Possible Enrichment Opportunities

Visiting speakers from university maths departments. Entry to the UK Mathematics Trust Senior Maths Challenge.

## What will I learn?

You will study a combination of pure maths, mechanics and statistics over two years. In the first year you will study mechanics, learning how to apply mathematics in the physical world to describe the motion of objects and how they respond to forces acting upon them. You will also study pure mathematics, which extends what you have learned at school, as well as introducing you to important new ideas and methods. In the second year you will study some topics from statistics while also continuing your study of pure maths.

## How will I be assessed?

Three two hour exam papers at the end of your second year.

## Where might it lead?

A-level Maths is useful for university courses with a high mathematical and/or engineering content. These include Mathematics, Architecture, Computer Science, Engineering and Physics.

If you would like further information about this course please contact the admissions team at

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